

Table 15.21  
Lung and Bronchus (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

| SEER Incidence                   | SEER 18 Areas <sup>b</sup> |       |         | SEER 13 Areas <sup>b</sup>   |       |         | SEER 9 Areas <sup>b</sup>    |       |         |
|----------------------------------|----------------------------|-------|---------|------------------------------|-------|---------|------------------------------|-------|---------|
|                                  | Rate 2008-2012             |       |         | Trend 2003-2012 <sup>c</sup> |       |         | Trend 2003-2012 <sup>d</sup> |       |         |
|                                  | Rate per 100,000 persons   |       |         | AAPC (%)                     |       |         | AAPC (%)                     |       |         |
|                                  | Total                      | Males | Females | Total                        | Males | Females | Total                        | Males | Females |
| RACE/ETHNICITY                   |                            |       |         |                              |       |         |                              |       |         |
| All Races                        | 58.7                       | 70.1  | 50.2    | -2.0*                        | -2.7* | -1.3*   | -1.7*                        | -2.4* | -1.0*   |
| White                            | 60.2                       | 70.3  | 52.7    | -2.0*                        | -2.6* | -1.3*   | -1.7*                        | -2.4* | -1.0*   |
| White Hispanic <sup>e</sup>      | 31.4                       | 39.3  | 25.9    | -1.3*                        | -2.1* | -0.4*   | -                            | -     | -       |
| White Non-Hispanic <sup>e</sup>  | 64.6                       | 74.8  | 56.9    | -1.8*                        | -2.5* | -1.2*   | -                            | -     | -       |
| Black                            | 67.0                       | 90.9  | 50.8    | -2.3*                        | -2.6* | -1.3*   | -1.7*                        | -2.7* | 0.1     |
| Asian/Pacific Islander           | 37.1                       | 49.0  | 28.5    | -1.3*                        | -2.3* | 0.3     | -                            | -     | -       |
| Amer Ind/Alaska Nat <sup>f</sup> | 39.9                       | 47.6  | 34.5    | -0.7                         | -1.5* | 0.5     | -                            | -     | -       |
| Hispanic <sup>e</sup>            | 30.4                       | 37.9  | 25.1    | -1.3*                        | -2.1* | -0.4*   | -                            | -     | -       |
| U.S. Mortality <sup>g</sup>      |                            |       |         |                              |       |         |                              |       |         |
|                                  | Rate 2008-2012             |       |         | Trend 2003-2012 <sup>h</sup> |       |         |                              |       |         |
|                                  | Rate per 100,000 persons   |       |         | AAPC (%)                     |       |         |                              |       |         |
|                                  | Total                      | Males | Females | Total                        | Males | Females |                              |       |         |
| RACE/ETHNICITY                   |                            |       |         |                              |       |         |                              |       |         |
| All Races                        | 47.2                       | 59.8  | 37.8    | -2.0*                        | -2.7* | -1.4*   |                              |       |         |
| White                            | 47.9                       | 59.7  | 39.1    | -1.9*                        | -2.6* | -1.3*   |                              |       |         |
| White Hispanic <sup>e</sup>      | 21.3                       | 30.9  | 14.4    | -2.3*                        | -2.8* | -1.2*   |                              |       |         |
| White Non-Hispanic <sup>e</sup>  | 50.4                       | 62.2  | 41.4    | -1.8*                        | -2.5* | -1.2*   |                              |       |         |
| Black                            | 50.6                       | 73.1  | 35.8    | -2.5*                        | -3.4* | -1.7*   |                              |       |         |
| Asian/Pacific Islander           | 24.8                       | 34.0  | 18.2    | -1.2*                        | -1.6* | -0.4*   |                              |       |         |
| Amer Ind/Alaska Nat              |                            |       |         |                              |       |         |                              |       |         |
| Total U.S.                       | 31.7                       | 39.4  | 25.8    | -1.0*                        | -2.0* | -1.8*   |                              |       |         |
| CHSDA Counties                   | 39.4                       | 49.1  | 32.1    | -0.2                         | -1.0* | -1.2    |                              |       |         |
| Non-CHSDA Counties               | 22.7                       | 28.1  | 18.3    | -2.1*                        | -3.2* | -1.8*   |                              |       |         |
| Hispanic <sup>e</sup>            | 20.4                       | 29.5  | 13.7    | -2.3*                        | -3.0* | -1.3*   |                              |       |         |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

b The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, and Rural Georgia.

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

f Incidence data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

g US Mortality Files, National Center for Health Statistics, CDC.

h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

\* The APC is significantly different from zero (p<.05).